

# Fortinet Product Matrix

JULY 2013



**FORTINET**  
EABLIDEL



# FortiGate

## Integrated Network Security Platform - Industry's #1 Network Security Solution

	FG/FWF-20C	FG/FWF-40C	FG/FWF-60C	FG/FWF-60D	FG/FWF-80C	FG-100D	FG-200B	FG-300C	FG-600C	FG-800C
Firewall Throughput (1518/512/64 byte UDP)	20 / 20 / 20 Mbps	200 / 200 / 200 Mbps	1 / 1 / 1 Gbps	1.5 / 1.5 / 1.5 Gbps	1900 / 700 / 120 Mbps	2500 / 1000 / 200 Mbps	5 / 5 / 4 Gbps	8 / 8 / 8 Gbps	16 / 16 / 16 Gbps	20 / 20 / 20 Gbps
Firewall Latency	6 µs	3 µs	4 µs	4 µs	45 µs	37 µs	2 µs	2 µs	7 µs	6 µs
Concurrent Sessions	10,000	40,000	400,000	500,000	1 Mil	2.5 Mil	500,000	2 Mil	3 Mil	7 Mil
New Sessions/Sec	1,000	2,000	3,000	3,200	12,000	22,000	15,000	50,000	70,000	190,000
Firewall Policies	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	10,000
IPSec VPN Throughput	20 Mbps	60 Mbps	70 Mbps	1 Gbps	140 Mbps	450 Mbps	2.5 Gbps	4.5 Gbps	8 Gbps	8 Gbps
Max G/W to G/W IPSEC Tunnels	5	20	50	200	200	1,500	2,000	2,000	2,000	2,000
Max Client to G/W IPSEC Tunnels	5	250	500	500	1,000	5,000	2,000	10,000	50,000	50,000
SSL VPN Throughput	15 Mbps	17 Mbps	19 Mbps	30 Mbps	70 Mbps	300 Mbps	110 Mbps	200 Mbps	1 Gbps	1.3 Gbps
Recommended SSL VPN Users	50	80	100	100	100	200	200	500	5,000	10,000
IPS Throughput	20 Mbps	135 Mbps	135 Mbps	200 Mbps	350 Mbps	950 Mbps	650 Mbps	1.4 Gbps	4 Gbps	6 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	12 / 20 Mbps	20 / 40 Mbps	20 / 40 Mbps	35 / 50 Mbps	50 / 190 Mbps	300 / 700 Mbps	95 / 200 Mbps	200 / 550 Mbps	1.3 / 2.8 Gbps	1.7 / 3.1 Gbps
Max FortiAPs	-	5	5	5	16	32	32	256	512	512
Max FortiTokens	20	100	100	100	100	1,000	1,000	1,000	1,000	1,000
Max Registered FortiClient	-	10	200	200	200	2,000	2,000	2,000	2,000	2,000
Virtual Domains (Default/Max)	-	-	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces (FE, GE ports)	5x GE RJ45	7x GE RJ45	8x GE RJ45	10x GE RJ45	7x FE, 2x GE RJ45	20x GE RJ45, 2x Shared Port Pairs	8x FE, 8x GE RJ45	10x GE RJ45	18x GE RJ45, 4x Shared Port Pairs, 2x Bypass Pairs	14x GE RJ45, 8x Shared Port Pairs, 2x Bypass Pairs
Interfaces (Others)	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	-	-	-	-	2x 10GE SFP+
Local Storage	-	-	-	-	8 GB	16 GB	64 GB opt.	32 GB	64 GB	64 GB
Power Supplies	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Dual PS or Ext RPS	Single AC Power Supply, opt. Dual PS or Ext RPS
Form Factor	Desktop	Desktop	Desktop	Desktop	Desktop	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU
Variants	WiFi, LENC, ADSL	WiFi, LENC	WiFi, Anal. Modem, Wifi+Ana. Modem, LENC, SFP, POE, ADSL	WiFi	WiFi, Analog Modem, Wifi + Analog Modem, LENC	LENC	POE, LENC	DC, LENC	DC, LENC	-

  

	FG-1000C	FG-1240B	FG-3040B	FG-3140B	FG-3240C	FG-3600C	FG-3950B	FG-5001B	FG-5001C	FG-5101C
Firewall Throughput (1518/512/64 byte UDP)	20 / 20 / 20 Gbps	40-44 / 40-44 / 38-42 Gbps	40 / 40 / 40 Gbps	58 / 55 / 43 Gbps	40 / 40 / 40 Gbps	60 / 60 / 60 Gbps	20-120 / 20-120 / 20-120 Gbps	40 / 40 / 40 Gbps	40 / 40 / 40 Gbps	40 / 40 / 10 Gbps
Firewall Latency	6 µs	7 µs	4 µs	4 µs	4 µs	4 µs	4 µs	4 µs	4 µs	7 µs
Concurrent Sessions	7 Mil	5 Mil	10 Mil	10 Mil	10 Mil	28 Mil	20 Mil	20 Mil	29.5 Mil	10 Mil
New Sessions/Sec	190,000	120,000	200,000	200,000	200,000	235,000	250,000	170,000	210,000	235,000
Firewall Policies	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
IPSec VPN Throughput	8 Gbps	16 - 18.5 Gbps	17 Gbps	22 Gbps	17 Gbps	25 Gbps	8 - 50.5 Gbps	17 Gbps	17 Gbps	22 Gbps
Max G/W to G/W IPSEC Tunnels	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Max Client to G/W IPSEC Tunnels	50,000	50,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000
SSL VPN Throughput	1.3 Gbps	370 Mbps	500 Mbps	500 Mbps	3.4 Gbps	5.3 Gbps	1.2 Gbps	530 Mbps	850 Mbps	970 Mbps
Recommended SSL VPN Users	10,000	1,500	22,000	22,000	30,000	30,000	25,000	20,000	30,000	25,000
IPS Throughput	6 Gbps	5 - 8 Gbps	6 Gbps	8.4 Gbps	8 Gbps	14 Gbps	5- 20 Gbps	7.8 Gbps	9.8 Gbps	9.4 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	1.7 / 3.1 Gbps	1.2 / 1.6 Gbps	2.3 / 4.5 Gbps	2.3 / 5.7 Gbps	2.6 / 9 Gbps	5.8 / 18 Gbps	4 / 5 - 15 Gbps	2 / 2.5 Gbps	3 / 4 Gbps	2 / 5 Gbps
Max FortiAPs	512	512	1024	1024	1024	1024	1024	1024	1024	1024
Max FortiTokens	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Max Registered Endpoints	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Virtual Domains (Default/Max)	10 / 250	10 / 250	10 / 250	10 / 250	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces (GE ports)	14x GE RJ45, 8x Shared Port Pairs, 2x Bypass Pairs	16x GE RJ45, 24x GE SFP	2x GE RJ45, 10x GE SFP	2x GE RJ45, 10x GE SFP	2x GE RJ45, 16x GE SFP	2x GE RJ45, 16x GE SFP	2x GE RJ45, 4x GE SFP	2x GE RJ45	2x GE RJ45	2x GE RJ45
Interfaces (10GE ports)	2x 10GE SFP+	-	8x 10GE SFP+	10x 10GE SFP+	12x 10GE SFP+	12x 10GE SFP+	2x 10GE SFP+	8x 10GE SFP+	2x 10GE SFP+	4x 10GE SFP+
Local Storage	128 GB	64 GB (384 GB Max)	64 GB (256 GB Max)	64 GB (256 GB Max)	64 GB	128 GB	256 GB	64 GB	128 GB	64 GB
Power Supplies	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Chassis Based	Chassis Based	Chassis Based
Form Factor	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 3 RU	Rack Mount, 3 RU	ATCA Blade	ATCA Blade	ATCA Blade
Variants	DC, LENC	DC	DC, LENC	DC, LENC	DC	-	DC, LENC	-	-	-

  

	FG-VM00	FG-VM01	FG-VM02	FG-VM04	FG-VM08
vCPU Supported (Min/Max)	1/1	1/1	1/2	1/4	1/8
Virtual Domain (Default/Max)	1	10/10	10/25	10/50	10/250

\* Featured Top selling models, for complete FortiGate offerings please visit [www.fortinet.com](http://www.fortinet.com). Specifications based on FortiOS V5.0.3



## FortiManager

Centralized Management Platform - Tools that effectively manage Fortinet security infrastructure

	FMG-200D	FMG-300D	FMG-1000C	FMG-4000D	FMG-5001A	FMG-VM-BASE	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG	FMG-VM-U-UG
Max Licensed Devices/ADoms	30	300	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Max Web Portals/Users	-	-	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
GB Logs/Day	2	2	2	2	2	1	2	5	10	25	50
Locally Hosted Security Content	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM	AV, IPS, VM	AV, IPS, VM	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45, 2x SFP	2x GE RJ45	1 / 4 (vNIC Min / Max)					
Storage Capacity	1x 1 TB	2x 2TB	1x 2 TB (8 TB Max)	8x 2 TB	1x 80 GB	80 GB / 16 TB (Min / Max)					



## FortiAnalyzer

Centralized Logging & Reporting - Logging, reporting and analysis from multiple Fortinet devices

	FAZ-200D	FAZ-300D	FAZ-1000C	FAZ-2000B	FAZ-3000D	FAZ-4000B	FAZ-VM-BASE	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100
GB Logs/Day	5	15	25	75	150	Unlimited*	1	+1	+5	+25	+100
Sessions/Day	18 Mil	55 Mil	85 Mil	260 Mil	520 Mil	Unlimited*	3.5 Mil	3.5 Mil	18 Mil	85 Mil	360 Mil
Max Log Rate (standalone Mode)	350	625	1,000	3,000	6,000	Unlimited*	-	-	-	-	-
Max. Licensed Devices/ADoms	150	200	2,000	2,000	2,000	2,000	10,000	10,000	10,000	10,000	10,000
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45	6x GE RJ45	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x GE SFP	-	-	-	-	-
Storage Capacity	1x 1 TB	2x 2 TB	1x 2 TB (8 TB Max)	2x 2 TB (12 TB Max)	8x 2 TB	6x 1 TB (24 TB Max)	200 GB	+200 GB	+1 TB	+8 TB	+16 TB
RAID Support	No	Yes (RAID 0,1)	Yes, requires opt. drives (RAID 0,1,10)	Yes, (RAID 0, 1, 5, 10, 50)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	-	-	-	-	-

\* Only restricted to the hardware platform performance (e.g. there are no software licensing limitations)



## FortiAP

Wireless Access Point - Extending FortiGate Wireless connectivity

	FAP-11C	FAP-14C	FAP-28C	FAP-112B	FAP-221B/223B	FAP-222B	FAP-320B
Target Environment	Remote	Remote	Remote	Indoor/Outdoor	Indoor	Indoor/Outdoor	Indoor
Number of Radio / Antennas	1 / 1 Internal	1 / 1 Internal	1 / 2 Internal	1 / 1 Internal	221B: 2 / 4 Int. 223B: 2 / 4 Ext.	2 / 4 External	2 / 6 internal
TX / RX Streams (802.11n)	1x1 MIMO - 150 Mbps	1x1 MIMO - 150 Mbps	2x2 MIMO - 300 Mbps	1x1 MIMO - 150 Mbps	2x2 MIMO dual spatial stream - 600 Mbps Total	2x2 MIMO dual spatial stream - 600 Mbps Total	3x3 MIMO with 3 spatial streams - 900 Mbps Total
Simultaneous SSIDs	8 (7 for client access, 1 for monitoring)	8 (7 for client access, 1 for monitoring)	8 (7 for client access, 1 for monitoring)	8 (7 for client access, 1 for monitoring)	16 (14 for client access, 2 for monitoring)	16 (14 for client access, 2 for monitoring)	16 (14 for client access, 2 for monitoring)
Max Transmission Power	17dBm (50mW)	17dBm (50mW)	17dBm (50mW)	24 dBm (250mW) *	17dBm (50mW)	27dBm (500mW) hardware capable	24 dBm (250mW) *
Ethernet Interface	2x GE RJ45	5x FE	10x GE RJ45	2x FE	1x GE RJ45	1x GE RJ45	2x GE RJ45
Power over Ethernet (PoE)	-	-	-	802.3af (15.4W)	802.3af (15.4W)	802.3at	802.3af / 802.3at

\* Frequency selection and power may be restricted to abide by regional regulatory compliance laws.



## FortiSwitch

Access Switch - Wired connectivity for secured network access

	FSW-28C	FSW-80-PoE	FSW-124B-PoE	FSW-224B-PoE	FSW-324B-PoE	FSW-348B	FSW-448B	FSW-548B
Total Interfaces	10x GE RJ45	8x GE RJ45 (Include 4x PoE)	24x FE (include 12x PoE), 2x Shared Port Pair	16x GE PoE, 4x GE PoE+, 4x Shared Port Pairs	16x GE PoE, 4x GE PoE+, 4x Shared Port Pairs	48 GE RJ45, 2x Shared Port Pairs	48 GE RJ45, 2x 10GE SFP+	48x 10G, 1x mgmt
Switch Capability	16 Gbps	2 Gbps	8.8 Gbps	48 Gbps	48 Gbps	96 Gbps	136 Gbps	960 Gbps
Max VLANs	4096 (VTP v1/v2)	-	64	512	4096 (VTP v1/v2)	4096 (VTP v1/v2)	4096 (VTP v1/v2)	3965 (VTP v1/v2)
Power Budget	-	62 W	100 W	185 W	185 W	-	-	-
FortiGate Switch Controller Support	Yes (Remote Switch)	-	-	-	Yes	Yes	-	-



## FortiAuthenticator

Authentication Server - Identity Management, User Access Control and multi-factor identification

	FAC-200C	FAC-400C	FAC-1000C	FAC-3000D	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG	FAC-VM-100000-UG
Max Local/Remote Users/ User Group	500 / 500 / 25	2,000 / 2,000 / 50	10,000 / 10,000 / 500	40,000 / 40,000 / 2,000	100 / 100 / 10	+100 / +100 / +10	+1,000 / +1,000 / +100	+10,000 / +10,000 / +1,000	+100,000 / +100,000 / +10,000
Max FortiToken	500	2,000	10,000	40,000	200	+200	+2,000	+20,000	+200,000
Max NAS Devices	50	10	50	4,000	10	+10	+100	+1,000	+10,000
Max. CA Certificates / User Certificates	2 / 500	20 / 500	50 / 2,000	250 / 20,000	5 / 100	+5 / +100	+50 / +1,000	+500 / +10,000	+500 / +100,000
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45	-	-	-	-	-
Storage Capacity	1x 1 TB	1x 1 TB	1x 1 TB	2x 2TB	60 GB / 2 TB (Min / Max)				



## FortiMail

Messaging Security - Advanced antispam and antivirus filtering capabilities, with extensive quarantine and archiving capabilities

	FML-200D	FML-400C	FML-2000B	FML-3000D	FML-5002B	FML-VM01	FML-VM02	FML-VM04	FML-VM08
Email Routing (Msg/Hr)	200,000	400,000	1.5 Mil	2.0 Mil	2.3 Mil	90,000	265,000	1.32 Mil	1.76 Mil
Performance AS+AV (Msg/Hr)	175,000	320,000	1.2 Mil	1.6 Mil	2.0 Mil	77,000	185,400	1.05 Mil	1.40 Mil
Email Domains	50	500	5,000	5,000	10,000	50	500	5,000	5,000
Server Mode Mailboxes	200	1,000	3,000	3,000	3,000	200	1,000	1,000	1,000
Total Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45	4x GE RJ45, 2x GE SFP	3x GE RJ45	-	-	-	-
Storage Capacity	1x 1 TB	2x 1 TB	2x 1 TB (6 TB Max)	2x 2 TB (12 TB Max)	1x 146GB	50 GB - 1 TB	50 GB - 1 TB	50 GB - 2 TB	50 GB - 2 TB



## FortiWeb

Web Application Security - Web application firewall to protect, balance, and accelerate web applications

	FWB-400C	FWB-1000C	FWB-3000D/Fsx	FWB-4000D	FWB-VM02	FWB-VM04	FWB-VM08
Throughput (HTTP)	100 Mbps	500 Mbps	1.5 Gbps	4 Gbps	100 Mbps	500 Mbps	1 Gbps
Max HTTP Trans/sec	10,000	27,000	60,000	100,000	8,000	24,000	36,000
Total Interfaces	4x GE RJ45	2x GE RJ45, 2x GE Bypass	4x GE RJ45, 2x GE Bypass	6x GE RJ45, 2x GE RJ45 Bypass, 4x GE SX Bypass	-	-	-



## FortiBalancer & FortiADC

Application Delivery Controllers - Optimize the availability, user experience, performance and scalability

	FAD-200D	FBL-400	FBL-1000	FBL-2000	FBL-3000	FAD-VM01	FAD-VM02	FAD-VM04	FAD-VM08
Throughput (HTTP)	2.7 Gbps	2 Gbps	4 Gbps	10 Gbps	30 Gbps				
Max Connections	500 K	1 Mil	4 Mil	8 Mil	16 Mil				
Layer 7 RPS	70 K	140 K	230 K	1.15 Mil	2 Mil				
SSL TPS	4,000	7,500	13,500	22,500	45,000				
SSL Throughput	500 Mbps	1 Gbps	1.6 Gbps	5 Gbps	10 Gbps				
Total Interfaces	4x GE RJ45	4x GE RJ45	8x GE RJ45, 2x GE SFP	2x 10G, 12x GE RJ45, 4x GE SFP	4x 10G, 16x GE RJ45, 4x GE SFP				



## FortiDDoS

Hardware Accelerated DDos Defense - Intent Based Protection against DDOS

	FDD-100A	FDD-200A	FDD-300A
Throughput (Full Duplex)	1 Gbps	2 Gbps	3 Gbps
Simultaneous Connections	1 Mil	2 Mil	3v Mil
Session Setup/Tear-down	100 K/Sec	200 K/Sec	300 K/Sec



## FortiCache

Web Caching Appliance - Reduce the cost and impact of downloaded content, while increasing performance & users experience

	FCH-400C	FCH-1000C	FCH-3000C	FCH-3000D
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45, 2x GE SFP	4x GE RJ45, 2x GE SFP, 2x GE RJ45 Bypass
Performance (HTTP)	80 Mbps	200 Mbps	500 Mbps	800 Mbps
Local Storage Capacity	1x 1TB	1x 2 TB (8 TB Max)	4x 1 TB (6 TB Max)	4x 2 TB (16 TB Max)



## FortiScan

Vulnerability and Compliance Management

	FSC-3000D	FSC-VM-BASE	FSC-VM-100-UG	FSC-VM-1000-UG	FSC-VM-5000-UG	FSC-VM-20000-UG
Max. Assets	20,000	10	+100	+1,000	+5,000	+20,000



## FortiDNS

Secure Caching DNS Server

	FNS-400C	FNS-1000C	FNS-3000D
Max Queries per Sec.	30,000	60,000	100,000
Max DNS Clients	10,000	10,000	10,000



## FortiDB

Database activity monitoring and vulnerability assessment

	FDB-400C	FDB-1000C
Max DB Instances	10	30
Local Storage Capacity	1x 1 TB	1x 1 TB (2 TB Max)

### Also Available



## FortiBridge

Failopen Appliance



## FortiClient

Host based Security Client



## FortiToken

2 Factor Authentication Token



## FortiVoice

Secure VoIP Solution



## FortiCamera

Network-based Video Security

This document is provided as a convenient comparison of Fortinet products and services. The datasheet for any product or service can be found on [www.fortinet.com](http://www.fortinet.com) should be consulted for the most updated specifications.

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